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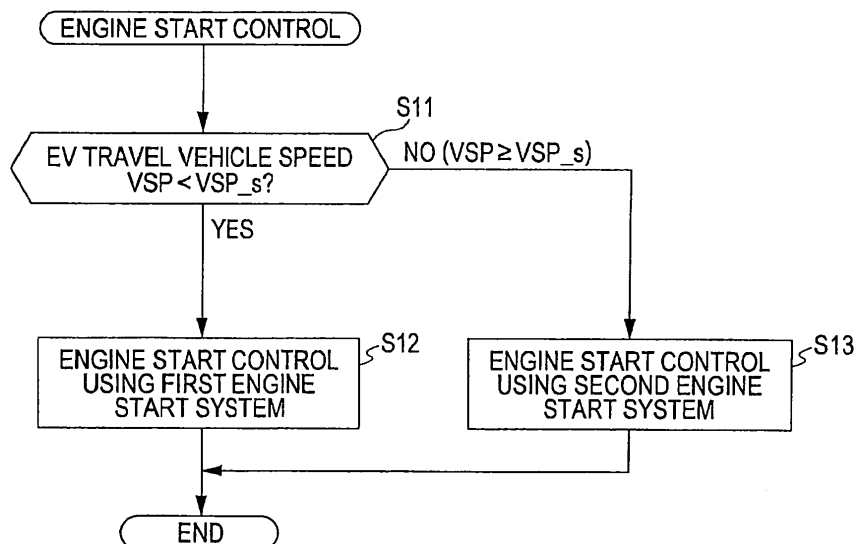
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(54) **Engine start control device for hybrid vehicle**

(57) If a vehicle speed VSP during EV travel is lower than a predetermined speed VSP<sub>s</sub> and hence is in a low vehicle speed range available for motor travel by a motor/generator (S11), engine start control using a first engine start system with the motor/generator is executed (S12). If the vehicle speed VSP during the EV travel is the predetermined speed VSP<sub>s</sub> or higher and hence is in a vehicle speed range unavailable for the motor travel

with the motor/generator (S11), engine start control using a second engine start system with a starter motor is executed (S13) instead of the first engine start system with the motor/generator. Accordingly, the motor/generator does not have to cover an engine start torque when  $VSP \geq VSP_s$ . A vehicle speed range available for the motor travel expands by the amount corresponding to the engine start torque, and fuel efficiency can be improved.

**FIG. 2**





## EUROPEAN SEARCH REPORT

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 EP 12 00 1768

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The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>12 March 2018</b>	Examiner <b>Rameau, Pascal</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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